Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/28/2021 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124340	-1	2.38	124501	2.35
Blue	F	SSC	125000	122627	-2	3.52	123435	3.39
Blue	E	FITC	14203	13647	-4	2.81	298	15.31
Blue	D	PE	25703	25073	-3	2.52	543	11.08
Blue	B	PerCP-Cy5-5	42104	41039	-3	3.34	917	14.94
Blue	A	PE-Cy7	34646	33949	-3	4.60	483	29.65
Red	C	APC	49824	48841	-2	2.80	1496	11.36
Red	A	APC-Cy7	39773	39099	-2	2.77	730	11.63
Violet	B	V450	7447	7050	-6	3.90	400	13.65
Violet	A	V500	31193	29808	-5	3.66	678	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21782	2.63	554	-2	N/A	N/A	Pass
Blue	F	SSC	54172	2.91	515	3	N/A	N/A	Pass
Blue	E	FITC	54	57.02	487	1	0.0444	276	Pass
Blue	D	PE	107	40.43	489	4	0.3532	298	Pass
Blue	B	PerCP-Cy5-5	175	36.77	581	4	0.0185	57	Pass
Blue	A	PE-Cy7	110	65.68	625	5	0.0218	7	Pass
Red	C	APC	349	23.78	567	0	0.0279	91	Pass
Red	A	APC-Cy7	204	24.28	544	0	0.0063	679	Pass
Violet	B	V450	89	46.01	450	1	0.0430	2039	Pass
Violet	A	V500	118	34.51	468	1	0.0262	1729	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.18	-31.80	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.07	15.99 - 23.99	N/A	N/A	30.01	30.37	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11135

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments